

Message Text

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ACTION IO-13

INFO OCT-01 ARA-06 ISO-00 CIAE-00 DODE-00 PM-04 H-01
INR-07 L-03 NSAE-00 NSC-05 PA-01 PRS-01 SP-02
SS-15 USIA-06 FEA-01 ACDA-07 EB-08 NRC-05 OES-06
ERDA-05 /097 W

-----220928Z 036104 /10

R 211505Z MAR 77
FM USMISSION IAEA VIENNA
TO SECSTATE WASHDC 8833
INFO AMEMBASSY BONN
AMEMBASSY BRASILIA
AMCONSUL RIO DE JANEIRO
USERDA HQ WASHDC
USERDA HQ GERMANTOWN

C O N F I D E N T I A L IAEA VIENNA 2203

DEPT PASS IO/SCT

E.O. 11652: GDS
TAGS: IAEA, TECH, PARM, MNUC, BR
SUBJECT: IAEA TECHNICAL ASSISTANCE FOR NUCLEAR POWER PROGRAM
IN BRAZIL

1. SUMMARY: IAEA HAS INQUIRED RE U.S. INTEREST IN IMPLEMENTING SEVERAL TECHNICAL ASSISTANCE ASSIGNMENTS OF EXPERTS TO ASSIST IN CONNECTION WITH BRAZILIAN NUCLEAR POWER PROGRAM. DETAILS OF REQUESTED ASSISTANCE FOLLOW BELOW. IN VIEW OF RELATIONSHIP OF THIS ASSISTANCE TO FRG-BRAZIL NUCLEAR POWER COOPERATION AND OUR LACK OF SUFFICIENT INFORMATION RE RECENT U.S. DISCUSSIONS WITH FRG AND BRAZIL ON THIS MATTER, MISSION IS RELUCTANT TO FORMULATE RECOMMENDED U.S. RESPONSE. ACCORDINGLY, MISSION REQUESTS GUIDANCE IN ORDER TO RESPOND TO AGENCY'S REQUEST. END SUMMARY.

2. IAEA HAS BEEN DESIGNATED TO IMPLEMENT UNDP TECHNICAL
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ASSISTANCE PROJECT IN BRAZIL AIMED AT ASSISTANT IN PREPARATION OF MANPOWER INFRASTRUCTURE REQUIRED IN CONNECTION WITH DEVELOPMENT OF BRAZILIAN NUCLEAR POWER PROGRAM PROJECT IS SPECIFICALLY DIRECTED TOWARD ESTABLISHMENT OF A NUCLEAR POWER OPERATOR TRAINING CENTER AND PROCUREMENT OF A NUCLEAR POWER CONTROL SIMULATOR. ASSISTANCE TO BE DELIVERED BY IAEA INCLUDES SERVICES OF THREE EXPOERTS INVOLVING TOTAL OF 36

MAN/MONTHS.

3. AGENCY INQUIRES WHETHER ANY U.S. CONCERN, SUCH AS TVA, MIGHT BE INTERESTED IN ENTERING INTO AN AGREEMENT FOR IMPLEMENTATION OF ADVISORY SERVICES DESCRIBED BELOW.

4. FIRST ASSIGNMENT (BRA/76/003-11.03.A) CALLS FOR EXPERT IN NUCLEAR POWER PLANT SIMULATOR DESIGN WITH PRACTICAL EXPERIENCE IN SIMULATOR DESIGN FOR NUCLEAR POWER PLANT OPERATORS TRAINING FOR TOTAL OF TEN MONTHS IN THREE DIFFERENT PERIODS. FIRST ASSIGNMENT TO BEGIN ASAP, WITH TWO ADDITIONAL PERIODS TO BE DECIDED LATER. SECOND ASSIGNMENT (BRA/76/003/11.03B) CALLS FOR EXPERT WITH AMPLE PRACTICAL EXPERIENCE IN NUCLEAR POWER PLANT SIMULATOR DESIGN, CONTRUCTION, INSTALLATION AND TESTING FOR SIX MONTH ASSIGNMENT TO BEGIN IN MID-1979. THIRD ASSIGNMENT (BRA/76/003-11.04) CALLS FOR EXPERT WITH EXTENSIVE EXPERIENCE IN NUCLEAR TRAINING AND PARTICULARLY IN USE OF SIMULATORS FOR NUCLEAR POWER OPERATORS TRAINING FOR TOTAL OF TWENTY MONTHS, WITH INITIAL FOUR MONTH ASSIGNMENT TO BEGIN ASAP. COPIES OF JOB DESCRIPTIONS POUCHED BORIGHT/OES/NET AND AMMONS/ERDA.

5. FYI: MISSION HAS LEARNED THAT SIMILAR AGENCY REQUEST WAS SENT TO SWEDISH AND FRENCH AUTHORITIES. SWEDEN HAS RESPONDED NEGATIVELY. FRENCH RESPONSE STILL OUTSTANDING. REQUEST WAS NOT RPT NOT SENT TO FRG, SINCE AGENCY CONSIDERED THAT THERE WOULD BE A POSSIBLE CONFLICT OF INTEREST IN VIEW OF LARGE-SCALE FRG ASSISTANCE BEING PROVIDED TO BRAZIL IN CONNECTION WITH ITS NUCLEAR POWER PROGRAM. END FYI. CONFIDENTIAL

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6. MISSION HAS ALSONED THAT AGENCY EXPERTS SECTION HAS SENT LETTERIYLY TO H. T. KERR AND D. G. DELENE, OAK RIDGE NATIONAL LABORATORY, INQUIRING RE THEIR POSSIBLE INTEREST IN UNDERTAKING FOUR MONTH ASSIGNMENT UNDER AGENCY'S REGULAR TECHNICAL ASSISTANCE PROGRAM RELATED TO FUEL MANAGEMENT IN NUCLEAR POWER PLANTS. ASSIGNMENT (BRA/0/05) IS AIMED AT DEVELOPING STUDIES AND ORGANIZING A TEAM TRAINED IN COMPUTER CODES APPLICABLE TO FUEL MANAGEMENT, INCLUDING: (A) ESTIMATION OF NUCLEAR FUEL REQUIREMENTS FOR PRESSURIZED WATER REACTOR TYPES. (B) DEVELOPING FUEL DEPLETION CALCULATIONS FOR PURPOSE OF (1) DETERMINING EXCESS REACTIVITY AVAILABLE AND (2) CONTROLLING TOTAL PERMISSIBLE HOT SPOT FACTORS. (C) USE OF DEPLETION CALCULATIONS TO ESTIMATE FUEL COSTS. (D) ESTABLISHMENT OF ACCURATE VALUE OF EXPOSED FUEL BASED ON FUEL COMPOSITION.

6. MISSION IS AWARE OF RECENT HIGH-LEVEL U.S. CONTACTS WITH BRAZILIAN AND FRG AUTHORITIES CONCERNING FRG-BRAZIL COOP-

ERATION RELATING TO CERTAIN ASPECTS OF BRAZIL'S NUCLEAR POWER PROGRAM, BUT WE ARE UNAWARE OF THE SUBSTANCE OF THESE DISCUSSIONS AND USG INTENTIONS RE OTHER ASPECTS. ACCORDINGLY, MISSION IS RELUCTANT TO FORMULATE A RECOMMENDATION ON HOW U.S. MIGHT RESPOND TO AGENCY'S REQUEST. SINCE AGENCY DESIRES TO PROCEED ASAP WITH IMPLEMENTATION OF AFOREMENTIONED ASSISTANCE, PARTICULARLY THE UNDP PROJECT, AGENCY HAS INFORMALLY INDICATED THAT IT WOULD GREATLY APPRECIATE A PROMPT RESPONSE FROM THE U.S. FYI: AGENCY SPECULATES THAT U.S. MAY NOT RPT NOT WISH TO PROVIDE THIS ASSISTANCE, IN WHICH CASE AGENCY WOULD LIKE TO KNOW ASAP IN ORDER TO PROCEED WITH OTHER ARRANGEMENTS. END FYI.

7. MISSION WOULD APPRECIATE GUIDANCE RE U.S. RESPONSE TO AGENCY.STONE

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Message Attributes

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Copy: SINGLE
Sent Date: 21-Mar-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
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Disposition Comment: 25 YEAR REVIEW
Disposition Date: 22 May 2009
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Disposition History: n/a
Disposition Reason:
Disposition Remarks:
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Executive Order: GS
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